

XXVII. *Descriptions of several new British Forms amongst the Parasitic Hymenopterous Insects.* By J. O. WESTWOOD, F.L.S. &c.*

Familia CHALCIDIDÆ, Westw.

1. *Brachymeria*, Westw. in Steph. Cat. 393. *Chalcis*. Spin.

E *Chalcide typicali* (*Ch. Sispes*) differt corpore obtusiori, antennis brevioribus crassioribus, abdomine subsessili, subconico, vix compresso coxisque posticis brevioribus.—*Chalcis minuta*, Fab.

2. *Pachylarthrus*, Westw., *Pteromalus*, p. Dallm. Sw. Tr. 1820. Caput latum, palpis maxillaribus articulo ultimo maximo inflato; antennæ 13-articulatæ, articulis 3 et 4 annuliformibus, 11-13 clavam parvam formantibus; abdomen ♂ breve subtriangulare.—*Pach. insignis*, Westw. Aureo-viridis, antennis palisque fulvis, pedibus flavis.

3. *Trigonoderus*, Westw. in Steph. Cat. Mand. p. 396.

Cheiopacho Westw. affine. Thorax subovatus, collare triangulare, antennæ ♀ 13-articulatæ, articulo 2do minuto, 3tio longitudine 1mi dimidio, articulis 4-8 paullò brevioribus æqualibus, ultimis 5 clavam (articulo 8vo paullò majorem) formantibus.—*Tr. princeps*. Westw, Obscurè æneus, thorace posticè aureo nitenti, abdomine aureo-viridi, cyaneo nitenti; antennis nigris basi ferrugineis; alis hyalinis nubilâ elongatâ centrali fuscescente, pedibus ferrugineis, femoribus basi pulvillisque nigris. Exp. alar. 6 lin.

4. *Ormyrus*, Westw.

Antennæ breviores crassæ ut in *Cheiopacho* formatæ. Thorax convexus; abdomen ♀ cylindrico-convexum apice conicum, thoracis latitudine et illo paullò longius, segmentis 2-5 hirsutis punctatis et in singuli disco, serie transversò impressionum denticularum ornatis. Oviductus breviter exsertus.—*Orm. punctiger*, Westw. Aureo-viridis, abdomine cupreo parùm nitente. Antennæ nigræ, apice fusæ; scutellum nitidissimum; pedes nigro-virides, tibiis anticis geniculisque posticis obscurè ferrugineis; tarsi pallidi; alæ vix fulvescentes.

5. *Theocolax*, Westw.

Apterus. Caput subhorizontale subquadratum planum, antice minimè tridentatum. Antennæ mediocres, 11-articulatæ; articulo 2do majori articulis 3-8 sensim crassioribus, ultimis tribus clavam, articulo priori (8vo) majorem formantibus. Collare magnum triangulare. Abdomen oviductu breviter exserto.—*Th. formiciformis*, Westw. Fulvo-fuscescens, abdomine obscuriori.

6. *Macroglenes*, Westw.

Caput latum, oculis partem ejus majorem occupantibus, antennæ breves, apicibus crassis, 10-articulatæ articulo 2do mediocri, 3-5 minutis, 6to magnitudine 2di, 7mo præcedenti majori; ultimis tribus clavam magnam formantibus, abdomen compressum.—*Macr. oculatus*, Westw. Atro-cærulea oculis rubris aut piceis tarsisque pallidis.

7. *Cerchysius*, Westw. *Encyrtus*, p. Dallm. Curt.

Tibiæ intermediæ alarumque nervi *Encyrti*. Antennæ ♀ cylindricæ, apice paullò crassiores, 10-articulatæ, articulis 2-7 subæqualibus; ultimis

* Communicated by the Author.

tribus clavam compressam formantibus apice obtuso; abdomen oviductu valido exserto, abdominis fere longitudine.—*Encyrtus urocerus*, Dallm. Sw. Trans. 1820. p. 368.—Sp. 2. *Cerch. stigmatalis*, Westw. Cæruleo-viridis abdomine cyaneo, antennarum flagello oviductuque omnino nigris; alis fasciâ paullò ante medium pallidè fusciscente, stigmate obscuriori ramulo stigmatali fusco.

8. *Cirrospilus*, Westw.

Eulopho affinis, et plùs minùsve fulvo variegatus. Caput anticè, inter oculos, emarginatum; antennæ ♀ breves crassæ 7-articulatæ, articulo 2do 3tii dimidio longitudine, hoc 4to longiori, ultimis tribus clavam, articulo 4to vix crassiorem, formantibus. Abdomen (petiolo brevi distincto) depressum ovatum, posticè conicum.—*Cirr. elegantissimus*, Westw. Caput, thorax, pedesque pallidè flavescens, oculis capitique vertice nigris; lineâque irregulari per medium thoracis currenti, anticè posticèque dilatata, nigra. Abdomen fulvum, maculâ centrali irregulari-quadrata alteraque posticâ subtrigona, nigris. Antennæ fusæ.

9. *Euplectrus*, Westw.

Eulopho affinis. Caput parvum; antennæ graciles 9-articulatæ articulo 2do breviori, articulis 3—6 ovatis, ultimis 3 clavam (vix articulo 6to majorem) formantibus. Thorax ovato-circularis anticè subacuminatus. Abdomen (petiolo brevi distincto) thorace majus, circulare, spatuliforme, depressum. Coxæ posticæ permagnæ tibiæque posticæ calcari longo instructæ.—*Eupl. maculiventris*, Westw. Capite thoraceque nigris abdomine fulvo, lateribus anticis fasciisque transversis apicalibus fuscis. Antennæ, os et pedes, fulvi.

10. *Dicladocerus*, Westw.

Eulopho typicali (*Eul. ramicornis*) differt antennis ♂ tantùm biramosis, sc. 9-articulatis articulo 2do parvo, 3tio 4toque longioribus, horum singulo ramum elongatum e basi emittente; 5to 6toque crassioribus simplicibus, ultimis 3 clavam brevem formantibus.—*Dicl. Westwoodii*, Steph. Cat. 397. No. 5501. Caput thoraxque purpurei viridique nitentes, abdomine cyaneo-nigro, basi lateribus æneis, antennis cyaneo-nigris, pedibus æneo-nigris geniculis articulisque tarsorum basalibus pallidis.

Familia PROCTOTRUPIDÆ.

11. *Platymischus*, Westw.

Apterus, depressus, angustus. Caput subquadratum anticè subacuminatum. Antennæ 14-articulatæ, articulo 1mo maximo, subtriangulâri; 2do parvo; 3tio illo majori, internè producto; articulis 10 sequentibus subæqualibus, filiformibus; 14mo paullò longiori. Thorax oblongo-quadratus. Femora incrassata. Tarsi anticæ articulo 1mo dilatato; abdomen ferè thoracis magnitudine, segmento 1mo maximo.—*Pl. dilatatus*, Steph. Cat. Mand. p. 399. Niger, nitidus, thorace posticè villosus, antennarum articulis tribus basalibus pedibusque rufescentibus.

12. *Megaspilus*, Westw. in Steph. Cat. Mand. 400. *Ceraphoron*, Latr. Curt. et Jurine?

E *Ceraphrone typicali* (*Cer. sulcatus*, Jur.) differt, alis superis nervo costali incrassato, stigmate maximo suborbiculari vel semicirculari, cellulâ apicali unicâ incompletâ, ramo arcuato formatâ; antennisque fractis et in utroque sexu 10-articulatis, apice in ♀ vix vel minimè incrassato.—*Cer. Dux*, Curt. Brit. Ent. pl. 249. f. 1. 3. 4. 5. 8, ♂. 1a. ♀.

13. *Paramesius*, Westw.

Cineto genuino affinis. Caput subquadratum tuberculo antico; antennæ ♂ corpore toto longiores, graciles, filiformes, 13-articulatæ, articulis longitudinè subæqualibus (2do 3tioque minutis exceptis) articulo 4to ad basin minimè exciso; abdomen elongato-clavatum, petiolo tertiam partem longitudine æquante, alarum nervi ut in *Cineto gracilipede* (Curt. Brit. Ent. 380. fig. 9.) at areola marginalis paullò longior et basi truncata est.—*Par. rufipes*, Westw. Niger, nitidus, antennis fuscis, pedibus rufis.

14. *Aneurhynchus*, Westw.

Galeso affinis. Caput transversum tuberculo brevi antico, trophis brevibus, antennæ ♂ vix corporis longitudine, filiformes, 14-articulatæ, articulo 1mo simplici, 2do minuto, 3tio tenui, et paullò longiori, 4to crassiori, et ad basin externè minimè exciso. Alæ stigmatè nullo distincto, sed nervo subcostali basali, cujus apex alarum marginem anticum non attingit sed obliquè in alarum disco breviter protenditur, indè ad alarum apicem reflectitur areolam marginalem elongatam efformante, nervi reliqui ut in *Cineto gracilipede*.—*An. galesiformis*, Westw. Niger nitidus, antennarum articulo 2do pedibusque rufo-piceis, femoribus basi obscurioribus, alis pallidè fusciscentibus.

15. *Spilomicrus*, Westw.

Subgenus *Diapriam* cum *Galeso* connectens. Caput transversò-quadratum. Antennæ ♀ capite thoraceque paullò longiores, 13-articulatæ, ad apicem sensim incrassatæ; alæ stigmatè parvo ante medium alarum, quadrato, apice internè deflexo, ramulum parvum, versus basin alarum reflexum, emittente; areola basali subtriangulari; nervi reliqui ferè ut in *Paramesio*, at indistinctissimi. Metathorax utrinque posticè spinosus. Femora clavata, pedunculus abdominis mediocris, striatus.—*Spil. stigmatalis*, Westw. Niger nitidus, pedibus obscurè piceis, alis pallidè flavescenti-fuscis, stigmatè nigro.

16. *Epyris*, Westw.

Bethyllo affine. Caput mediocre subconvexum; antennæ elongatæ filiformes 13-articulatæ, articulo singulo cylindrico nec ad basin tenuiori. Thorax elongato-ovatus. Metathorax suprà longitudinaliter 3-carinatus. Alæ areolà unicà apicali longiori incompletà areolisque duabus basalibus longitudine æqualibus.—*Epyr. niger*, Westw. Niger, abdomine nitido, tibiis tarsisque plùs minùsve piceis.

XXVIII. *Notice of some recent Magnetical Discoveries.* By M. A. KUPFFER, of the Imperial Academy of St. Petersburg; in a Letter to SIR DAVID BREWSTER, K.H. LL.D. &c.

BY means of a number of experiments continued during the greater part of the winter of 1831, I have found that the intensity of the magnetic forces, in bars of steel, is diminished as much by the action of cold as by that of heat: I speak here of that part of the magnetic intensity which is lost when we expose a magnetized bar to a temperature higher than any which it has experienced since it was magnetized, and which is no longer found after cooling. I have hence adopted a more satisfactory method to procure magnetized cylinders of

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